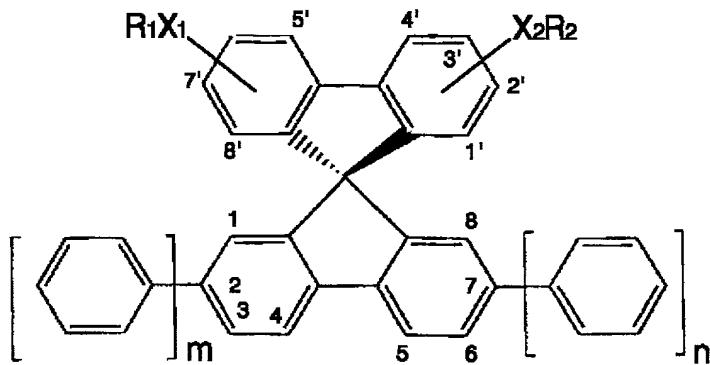


What is claimed is:

1. A bisphenylene-spirobifluorene compound defined by the following formula:



wherein R<sub>1</sub> and R<sub>2</sub> are identical or different and are independently a straight-chain or branched alkyl group having from 1 to 22 carbon atoms, X<sub>1</sub> and X<sub>2</sub> independently contains one or more elements selected from the group consisting of C, O, N, S, Si and Ge, and m and n are integers from 1 to 4.

2. The bisphenylene-spirobifluorene compound according to claim 1, wherein X<sub>1</sub>R<sub>1</sub> and X<sub>2</sub>R<sub>2</sub> are at 1',6'-positions.

3. The bisphenylene-spirobifluorene compound according to claim 1, wherein X<sub>1</sub>R<sub>1</sub> and X<sub>2</sub>R<sub>2</sub> are at 3',6'-positions.

4. A method of preparing bisphenylene-spirobifluorene compound comprising the steps of:

forming a biphenyl compound having X<sub>1</sub>R<sub>1</sub> and X<sub>2</sub>R<sub>2</sub> in which R<sub>1</sub> and R<sub>2</sub> are identical or different and are independently a straight-chain or branched alkyl group having from 1 to 22 carbon atoms, and X<sub>1</sub> and X<sub>2</sub> independently contains one or more elements selected from the group consisting of C, O, N, S, Si and Ge;

forming a biphenylyl-halogenated fluoreneol compound having the X<sub>1</sub>R<sub>1</sub> and X<sub>2</sub>R<sub>2</sub> by reacting the biphenyl compound with halogenated fluoreneone;

forming a halogenated spirobifluorene compound having the  $X_1R_1$  and  $X_2R_2$  from the biphenyl-l-halogenated fluoreneol compound by cyclization; and  
5 forming a bisphenylene-spirobifluorene compound having the  $X_1R_1$  and  $X_2R_2$  by substituting halogen of the halogenated spirobifluorene compound by a phenyl group.

10 5. The method according to claim 4, wherein in the step of forming the biphenyl-l-halogenated fluoreneol compound, a metal-halogen ligand substitution reaction is employed..

15 6. An electroluminescence (EL) material comprising the bisphenylene-spirobifluorene compound claimed in any one of claims 1 through 3.

20 7. The EL material according to claim 6, wherein the bisphenylene-spirobifluorene compound is contained in an amount of 10% by weight or more.

25 8. An electroluminescence (EL) device comprising:  
a cathode;  
an anode; and  
a light-emitting layer interposed between the cathode and the anode and containing the EL material as claimed in one of claims 1 through 3.

9. The EL device according to claim 8, wherein the bisphenylene-spirobifluorene compound is contained in the light emitting layer in an amount of 10% to 100% by weight.